

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062443.D
 Acq On : 9 Jul 2020 6:47
 Operator : JC/MD
 Sample : L3215-12MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MS

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:56 AM

Quant Time: Jul 09 07:20:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	202997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	367171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	336010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	159360	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.55	113	111650	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.06	98	442859	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	163180	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	103512	50.061	ug/l	97
3) Chloromethane	2.03	50	153221	46.182	ug/l	99
4) Vinyl Chloride	2.16	62	134624	49.527	ug/l	98
5) Bromomethane	2.53	94	46972	32.176	ug/l	99
6) Chloroethane	2.67	64	79289	50.083	ug/l	97
7) Trichlorofluoromethane	2.98	101	178133	51.599	ug/l	99
8) Diethyl Ether	3.37	74	83928	54.369	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	100798	49.255	ug/l	99
10) Methyl Iodide	3.91	142	104067	38.512	ug/l	99
11) Tert butyl alcohol	4.73	59	118223	228.254	ug/l	98
12) 1,1-Dichloroethene	3.70	96	107795	51.736	ug/l	99
13) Acrolein	3.57	56	35293	94.459	ug/l	96
14) Allyl chloride	4.28	41	221502	45.202	ug/l	99
15) Acrylonitrile	4.93	53	358255	263.734	ug/l	100
16) Acetone	3.78	43	301128	227.161	ug/l	98
17) Carbon Disulfide	4.01	76	333928	51.146	ug/l	98
18) Methyl Acetate	4.28	43	127354	38.497	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	430588	54.508	ug/l	99
20) Methylene Chloride	4.50	84	135266	47.725	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	118040	52.294	ug/l	99
22) Diisopropyl ether	5.90	45	508865	52.561	ug/l	96
23) Vinyl Acetate	5.84	43	1623253	202.403	ug/l	100
24) 1,1-Dichloroethane	5.80	63	262527	52.477	ug/l	100
25) 2-Butanone	6.79	43	489055	252.614	ug/l	98
26) 2,2-Dichloropropane	6.78	77	76297	19.891	ug/l	92
27) cis-1,2-Dichloroethene	6.78	96	140655	53.798	ug/l	92
28) Bromochloromethane	7.15	49	134229	49.386	ug/l	98
29) Tetrahydrofuran	7.17	42	334370	256.536	ug/l	99
30) Chloroform	7.33	83	240172	53.171	ug/l	96
31) Cyclohexane	7.61	56	292361	61.645	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	198502	52.831	ug/l	99
36) 1,1-Dichloropropene	7.75	75	182731	49.397	ug/l	99
37) Ethyl Acetate	6.88	43	167573	38.741	ug/l	99
38) Carbon Tetrachloride	7.73	117	164528	49.471	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	245045	62.048	ug/l	98
40) Benzene	8.00	78	551087	50.547	ug/l	99
41) Methacrylonitrile	7.13	41	114287	63.239	ug/l	86
42) 1,2-Dichloroethane	8.09	62	207051	51.866	ug/l	91
43) Isopropyl Acetate	8.12	43	384427	56.259	ug/l	94
44) Trichloroethene	8.80	130	126692	52.375	ug/l	99
45) 1,2-Dichloropropane	9.08	63	160976	50.863	ug/l	98
46) Dibromomethane	9.18	93	92218	51.633	ug/l	99
47) Bromodichloromethane	9.37	83	197450	51.709	ug/l	100
48) Methyl methacrylate	9.17	41	165326	49.324	ug/l	98
49) 1,4-Dioxane	9.17	88	47487	973.359	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1051487	257.636	ug/l	99
52) Toluene	10.12	92	329727	52.360	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	193786	45.298	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	210264	44.546	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	131035	52.906	ug/l	95
56) Ethyl methacrylate	10.40	69	229411	50.319	ug/l	99
57) 1,3-Dichloropropane	10.68	76	241306	52.735	ug/l	99
59) 2-Hexanone	10.72	43	769369	259.668	ug/l	98
60) Dibromochloromethane	10.87	129	137910	51.354	ug/l	97
61) 1,2-Dibromoethane	10.98	107	132392	52.952	ug/l	98
64) Tetrachloroethene	10.60	164	96217	48.256	ug/l	97
65) Chlorobenzene	11.41	112	339948	52.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	124044	51.508	ug/l	100
67) Ethyl Benzene	11.48	91	884567	72.161	ug/l	99
68) m/p-Xylenes	11.59	106	459836	105.965	ug/l	99
69) o-Xylene	11.92	106	249844	59.133	ug/l	100
70) Styrene	11.94	104	392841	56.258	ug/l	99
71) Bromoform	12.10	173	94017	53.255	ug/l #	98
73) Isopropylbenzene	12.22	105	1761444	158.515	ug/l	99
74) N-amyl acetate	12.05	43	252910	46.761	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	201349	53.890	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	172387m	48.925	ug/l	
77) Bromobenzene	12.50	156	416290	164.786	ug/l #	9
78) n-propylbenzene	12.57	91	2083293	160.498	ug/l	99
79) 2-Chlorotoluene	12.65	91	496698	63.049	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	770871	84.623	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	37131	28.206	ug/l	97
82) 4-Chlorotoluene	12.75	91	422121	52.779	ug/l	99
83) tert-Butylbenzene	12.97	119	338620	43.803	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	6146750	678.849	ug/l	80
85) sec-Butylbenzene	13.15	105	483127	47.163	ug/l	95
86) p-Isopropyltoluene	13.26	119	603841	68.298	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	223312	51.240	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	220648	49.204	ug/l	98
89) n-Butylbenzene	13.59	91	506853	64.926	ug/l #	78
90) Hexachloroethane	13.86	117	206017	118.455	ug/l #	39
91) 1,2-Dichlorobenzene	13.63	146	217247	51.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48874	71.679	ug/l	85
93) 1,2,4-Trichlorobenzene	14.88	180	108688	53.804	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	26012	23.250	ug/l	97
95) Naphthalene	15.11	128	12082576	719.070	ug/l #	47
96) 1,2,3-Trichlorobenzene	15.28	180	107900	47.713	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

